

Converting Colors

XYZ(81.3216, 93.6401, 75.8458)

Have a look what the booklet for
XYZ(81.3216, 93.6401, 75.8458)
contains.

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Color

**XYZ(81.2479, 93.5971,
76.0712)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFD4
RGB	233, 255, 212
RGB Percent	91%, 100%, 83%
CMY	0.0863, 0.0000, 0.1686
CMYK	0.09, 0.00, 0.17, 0.00
HSL	91°, 100%, 92%
HSV	91°, 17%, 100%
XYZ	81.2479, 93.5971, 76.0712
YIQ	243.5200, 0.6910, -18.0370

Conversions

Conversions Part 2

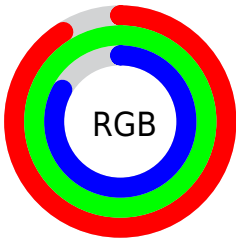
Format	Color
R _Y B	212, 255, 234
Decimal	15335380
CIE Lab	97.47, -14.56, 18.17
CIE LCh	97, 23.287, 128.715
Yxy	93.5971, 0.3238, 0.3730
Android (android.graphics.Color)	4293525460 (0xFFE9FFD4)
YUV	243.5200, -15.5394, -9.2260
Hunter-Lab	96.7456, -19.3987, 21.1021

Details

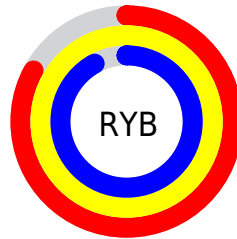
The XYZ color **81.2479, 93.5971, 76.0712** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.5261, 71.8007, 104.4860**, and the grayscale version is **85.7247, 90.1891, 98.2159**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4113, 52.1696, 39.6273** is the 20% darker color. If you saturate the color by 10%, you get **74.1778, 90.2951, 60.2538**, and if you desaturate by 10%, it is **89.1423, 97.2652, 94.5817**.

Distribution



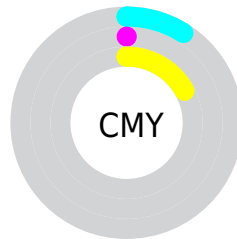
- Red (91%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2479, 93.5971, 76.0712 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 81.2479, 93.5971, 76.0712 by changing the saturation by 10% instead.


 81.2479, 93.5971,
76.0712

 81.2479, 93.5971,
76.0712


487.8012,
539.6639, 500.9447

 61.0578, 70.9679,
55.9839


134.0601,
152.3250, 129.5886

 44.5245, 52.3160,
39.7861

167.4130,
189.1925, 163.8557

 31.2828, 37.2570,
27.0593


205.8841,
231.5749, 203.6865

 20.9671, 25.4065,
17.3849

249.8388,
279.8566, 249.4995

 13.2123, 16.3802,
10.3445

299.6425,
334.4219, 301.7133

 7.6529, 9.7936,
5.5194

355.6606,

 3.9236, 5.2623,

395.6553, 360.7464

2.4911

418.2584,
463.9412, 427.0174

■ 1.6590, 2.4020,
0.8354

■ 0.4304, 0.8269,
0.0000

■ 81.2479, 93.5971,
76.0712

■ 81.2479, 93.5971,
76.0712

■ 74.1778, 90.2951,
60.2538

■ 89.1423, 97.2652,
94.5817

■ 67.8996, 87.3454,
46.9999

95.0500, 100.0000,
108.9000

■ 62.3811, 84.7344,
36.1750

■ 57.5872, 82.4472,
27.6312

■ 53.4790, 80.4674,
21.2041

■ 50.0136, 78.7768,
16.7074

■ 47.1412, 77.3547,
13.9223

■ 44.8007, 76.1756,
12.5719

■ 44.1496, 75.8450,
12.3126

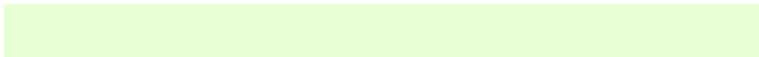
Harmonies

Analogous

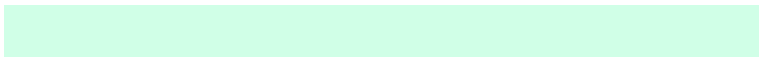
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0497, 93.5971, 70.0055



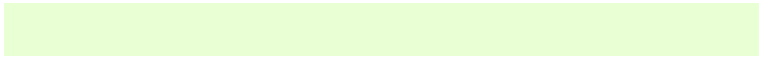
81.2479, 93.5971, 76.0712



77.6384, 93.5971, 89.2632

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2479, 93.5971, 76.0712



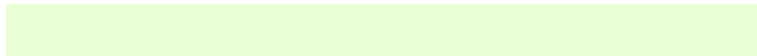
84.4277, 93.5971, 139.7214



102.1221, 93.5971, 96.4960

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.2479, 93.5971, 76.0712



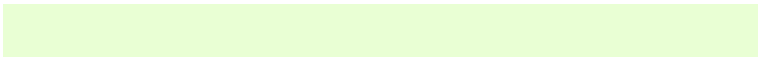
75.5261, 71.8007, 104.4860

Split Complementary

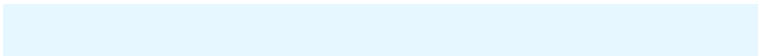
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3347, 93.5971, 115.7011



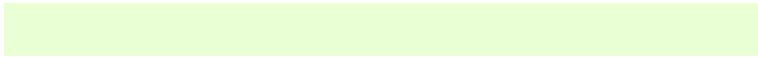
81.2479, 93.5971, 76.0712



90.9005, 93.5971, 142.2820

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



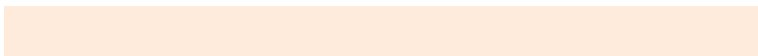
81.2479, 93.5971, 76.0712



79.4100, 93.5971, 126.4095



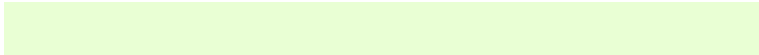
97.1479, 93.5971, 133.0261



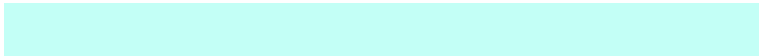
99.2491, 93.5971, 80.8023

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2479, 93.5971, 76.0712



76.8524, 93.5971, 101.0974



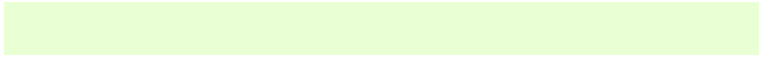
97.1479, 93.5971, 133.0261



102.2795, 93.5971, 102.7297

Sweetspot

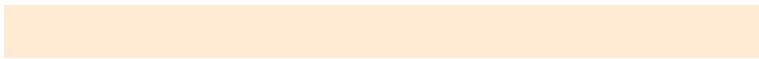
The Sweet Spot groups the original color and five complimentary colors.



81.2485, 93.5974, 76.0726



90.7052, 97.9895, 98.3346



82.4049, 84.5755, 74.2703



19.2876, 20.9150, 20.7420



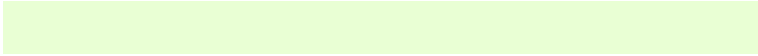
0.0000, 0.0000, 0.0000



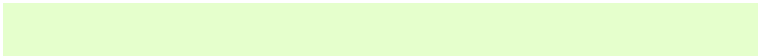
20.3446, 21.4041, 23.3091

Same Dimension

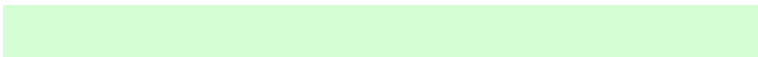
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2485, 93.5974, 76.0726



78.9424, 92.5223, 70.8246



74.7959, 90.2709, 75.7706



18.6161, 20.6035, 19.1400



23.2402, 39.7188, 6.4416



2.3884, 3.9320, 0.6331

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.5261, 71.8007, 104.4860



72.3059, 67.2442, 103.7762



82.8340, 75.5680, 104.8280



17.8892, 17.8346, 22.7495



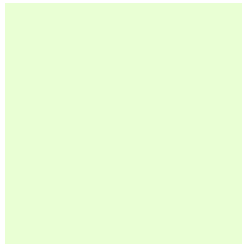
14.4523, 6.3609, 49.9006



1.5333, 0.6844, 4.8646

Previews

White Background



This preview shows how the XYZ color 81.2479, 93.5971, 76.0712 looks on a white background.

Color Contrast Check

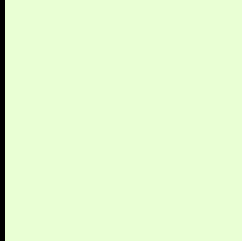
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 81.2479, 93.5971, 76.0712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

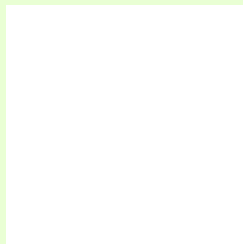
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2479, 93.5971, 76.0712

Background



This preview shows how black text looks on a background with the XYZ color 81.2479, 93.5971, 76.0712.



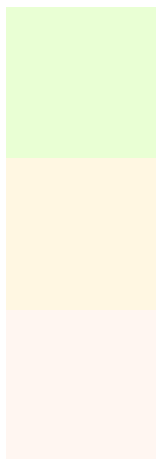
This preview shows how white text looks on a background with the XYZ color 81.2479, 93.5971,

76.0712.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.2479, 93.5971, 76.0712

Protanopia

88.2282, 93.2725, 85.3048

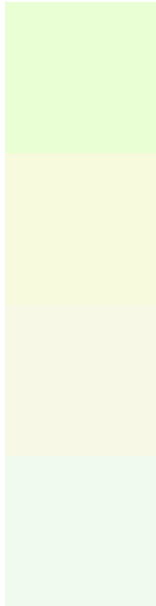
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

81.2479, 93.5971, 76.0712

Protanomaly

85.5945, 93.3658, 81.9167

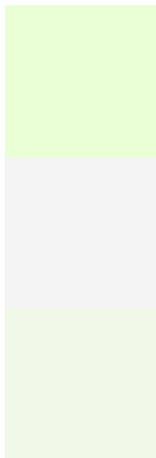
Deuteranomaly

86.5164, 93.2387, 88.2999

Tritanomaly

86.0412, 93.3040, 95.1360

Monochromacy



Original Color

81.2479, 93.5971, 76.0712

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.0681, 91.4863, 89.5717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2479, 93.5971, 76.0712 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 81.2479, 93.5971, 76.0712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 255, 212) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(233, 255, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(233, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2479, 93.5971, 76.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
255, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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